

Notice of Allowability

Application No.

10/675,097

Applicant(s)

JARABEK ET AL.

Examiner

Steven D. Radosevich

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2138

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/21/06.
2. ☒ The allowed claim(s) is/are 1-8, 11-18 and 21-26.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20070330.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.



GUY LAMARRE
PRIMARY EXAMINER

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DETAILED ACTION

Claims 1-8, 11-18, and 21-26 are present in this examination. Let the record show that the final office action mailed on 07/14/2006 is withdrawn and the instant application is being reconsidered within this instant examination.

Priority

Acknowledgement is made that no priority either foreign or domestic is claimed for this application and as such the filing date 09/30/2003 is being used for this examination.

Information Disclosure Statement

Acknowledgement is made that no Information Disclosure Statement (IDS) is associated with this application.

Drawings

Acknowledgement is made that the drawings are accepted by the office since no issues or informalities appear to be present at this time.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Shin Hung on 3/29/2007.

The application has been amended as follows:

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- Replace the existing/instant claim 1 with: A method for detecting an error in a memory storing incoming data as stored data, including:

Generating and storing a first check word in a write accumulator based on the incoming data;

Generating and storing a second check work in a read accumulator based on the stored data;

Comparing the first check word to the second check word by way of a compare circuit connected to the write accumulator and the read accumulator;

Generating a comparison result; and

Indicating a failure based on the comparison result.

- Replace the existing/instant claim 11 with: A method for detecting an error in a subset of a plurality of memories storing incoming data as a set of data, comprising:

Generating and storing a first check word in a write accumulator based on the incoming data provided to the subset of a plurality of memories;

Reading the set of data store in the subset of the plurality of memories;

Generating and storing a second check word in a read accumulator based on the set of data read;

Comparing the first check word to the second check word by way of a compare circuit connected to the write accumulator and the read accumulator;

Generating a comparison result; and

Indicating a failure based on the comparison result.

- Replace the existing/instant claim 13 with: A computer program product tangibly embodies on a computer readable medium, for checking contents of a memory storing incoming data as stored data in a network switching environment comprising instructions for causing a computer to:

Generate and store a first check word in a write accumulator based on the incoming data;

Generate and store a second check word in a read accumulator based on the stored data;

Compare the first check word to the second check word by way of a compare circuit connected to the write accumulator and the read accumulator;

Generate a comparison result; and

Indicate a failure based on the comparison result.

- Replace the existing/instant claim 21 with: A computer program product tangibly embodied on a computer readable medium, for checking contents of a set of memories in a switching environment comprising instructions for causing a computer to:

Store incoming data in a predetermined subset of memories as a set of data;

Generate and store a first check word in a write accumulator based on the incoming data provided to the predetermined subset of the memories;

Read the set of data stored in the predetermined subset of memories;

Generating and storing a second check word in a read accumulator based on the set of data read;

Compare the first check word to the second check word by way of a compare circuit connected to the write accumulator and the read accumulator;

Generate a comparison result; and

Indicate a failure based on the comparison result.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

Claims 1-8, 11-18, and 21-26 are allowable over the prior art because the present invention pertains to testing for errors within a memory wherein two independent check word generators or accumulators generate and store the their generated check word which are then compared to determine the memory's condition; wherein the first check word generator or accumulator generates and stored a first check word based on incoming data to be stored within the memory while the second

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check word generator or accumulator generates and stores a second check word based on the data after being stored within the memory, and wherein a comparator compares the generated and stored check words stored within the independent check word generators or accumulators to indicate the status of the memory that stores the incoming data which is not found, taught, or suggested in the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

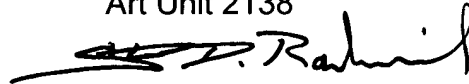
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven D. Radosevich whose telephone number is 571-272-2745. The examiner can normally be reached on 9am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on 571-272-3819. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Steven D. Radosevich
Examiner
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GUY LAMARRE
PRIMARY EXAMINER